

M12 male 0° A-cod. with cable

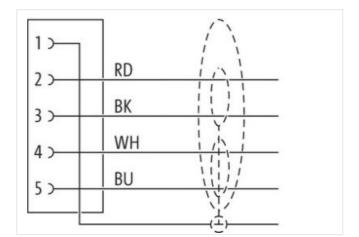
PUR AWG24+22 shielded vt UL/CSA+drag ch. 1m

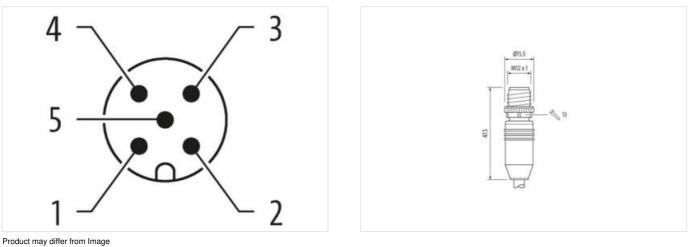
DeviceNet, CANopen Male straight M12, 5-pole Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product











Cable length	1 m	
Side 1		
Tightening torque	0,6 Nm	

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	27061801
ECLASS-7.0	27061801
ECLASS-8.0	27061801
ECLASS-9.0	27061801
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879200912
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
ç	Without
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die costing
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation | Cable Cable identification 803 Jacket Color violet Type of Certificate cURus Amount stranding 1 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 5 m Cable weigth 63,12 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) ±5% Material wire insulation PE Amount wires 2 Outer diameter insulation 2,1 mm Outer diameter tolerance core insulation ±5% Shore hardness wire insulation 64 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG Material conductor wire copper stranded wire, tinned Electrical function wire Data Material wire insulation (Data) PF Outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (data) ± 53 % Ingredient freeness wire insulation (Data) lead-free, CFC-free, halogen-free Amount wires (Data) 2 Amount strands wire (Data) 19 22 AWG Diameter of single wires (Data) Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power Nominal voltage AC max. 300 V to DIN VDE 0298-4 Current load capacity (standard) Current load capacity min. wire 4,5 A Current load capacity min. Wire (Data) 6 A Electrical function wire Data Electrical function wire (data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km

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Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	1 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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